IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1.-30. (Canceled)

31. (Currently Amended) A method of driving a solid image pickup device comprising a photoelectric conversion unit, a charge-voltage conversion unit for converting electric charges from the photoelectric conversion unit into voltage signals, a signal amplification means for amplifying the voltage signals generated in the charge-voltage conversion unit, and a charge transfer means for transferring photoelectric charges from the photoelectric conversion unit to the charge-voltage conversion unit, said method comprising the steps of:

performing a primary <u>transfer</u> readout operation <u>to transfer at least</u> of transferring a part of the photoelectric charges accumulated in the photoelectric conversion unit <u>in a readout during a charge accumulation period</u>, from the photoelectric conversion unit to the charge-voltage conversion unit; and

performing at least one other <u>transfer</u> readout operation, <u>prior to a</u>

<u>subsequent charge accumulation period</u>, to transfer remaining of transferring the rest of the photoelectric charges from the photoelectric conversion unit to the charge-voltage conversion unit, wherein the photoelectric conversion unit is not reset prior to the at least one other transfer operation.

- 32. (Previously Presented) The method of driving a solid image pickup device according to claim 31, wherein output signals read out <u>from the charge-voltage</u> conversion unit <u>from following</u> the primary <u>transfer readout</u> operation and the at least one other <u>transfer readout</u> operation <u>after the primary readout operation</u> are retained, respectively, and added, and <u>a</u> resulting <u>added output signals are summed output signal is outputted from a horizontal scan circuit to a common output line.</u>
- device according to claim 31, wherein after the primary transfer readout operation and before the at least one other transfer a readout operation after the primary readout operation, at least one intermediate readout operation is performed by resetting the charge-voltage conversion unit, transferring a part of the photoelectric charges from the photoelectric conversion unit to the charge-voltage conversion unit, and reading out an output signal signals amplified by the amplification means to a signal output line.
 - 34. (Currently Amended) A solid image pickup device comprising: a photoelectric conversion unit;
- a charge-voltage conversion unit for converting electric charges from the photoelectric conversion unit into voltage signals;
- a signal amplification means for amplifying the voltage signals generated in the charge-voltage conversion unit; [[and]]
- a charge transfer means for transferring photoelectric charges from the photoelectric conversion unit to the charge-voltage conversion unit[[,]]; and

wherein a control circuit for controlling the solid image pickup device to perform a primary transfer readout operation to transfer at least of transferring a part of the photoelectric charges accumulated in the photoelectric conversion unit in a readout during a charge accumulation period, from the photoelectric conversion unit to the charge-voltage conversion unit is performed, and to perform at a least one other transfer readout operation, prior to a subsequent charge accumulation period, to transfer remaining of transferring the rest of the photoelectric charges from the photoelectric conversion unit to the charge-voltage conversion unit, is performed and wherein the photoelectric conversion unit is not reset prior to the at least one other transfer operation.

- 35. (Previously Presented) The solid image pickup device according to claim 34, wherein the photoelectric conversion unit is an embedded-type photodiode.
 - 36. (Previously Presented) An image pickup system comprising:
 a solid image pickup device according to 34;
 an optical system for focusing a ray of light to the solid image pickup

device; and

a signal processing circuit for processing output signals from the solid image pickup device.

(Previously Presented) An image pickup system comprising: a solid image pickup device according to 34; an optical system for focusing a ray of light to the solid image pickup device;

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a mechanical shutter for determining an exposure time of the solid image pickup device; and

a signal processing circuit for processing output signals from the solid image pickup device.